
September 7, 2010ORENCO SYSTEMS
GOVERNMENT RELATIONS
NICHOLAS NOBLE
814 AIRWAY AVE
SUTHERLIN OR 97479

Re: Description: SEWAGE TREATMENT APPARATUS, EFFLUENT FILTER
Manufacturer: ORENCO SYSTEMS
Product Name: BIOTUBE EFFLUENT FILTER
Model Number(s): FTS0436-28, FTS0436-28A, FTS0436-28M, FTS0436-28MA, FTS0444-36, FTS0444-36A, FTS0444-36M, FTS0444-36MA, FTW0436-28, FTW0436-28A, FTW0436-28M, FTW0436-28MA, FTW0444-36, FTW0444-36A, FTW0444-36M, FTW0444-36MA, FT0848-36, FT0848-36A, FT0854-36, FT0854-36A, FT1254-36, FT1254-36A, FT1254-36AR, FT1254-36R, FT1554-36, FT1554-36AR AND FT1554-36R
[see attachments for filter diameter in nomenclature of model number and max. flow in GPD)
Product File No: 20100351

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This approval is valid until the end of FEBRUARY 2016.**

This approval is contingent upon compliance with the following stipulation(s):

- An access opening of sufficient size to allow removal of the filter must be provided over the outlet tee baffle of which this product is installed. This access opening must terminate at or above grade.
- Maintenance information must be given to the owner of the tank explaining that periodic cleaning of the filter will be necessary.
- When this product is installed in an interior compartment, the discharge connection must be solvent cemented to a single four inch diameter schedule 40 PVC, plastic pipe (ASTM D-2665 or ASTM D-1785) which is solvent cemented to a four inch diameter schedule 40 PVC coupling encased in the interior wall.
- The influent holes on the effluent filter shall be appropriately configured by the manufacturer so that the influent holes are positioned between 65% and 75% of the tank's minimum liquid level. This shall be coordinated with the manufacturer or manufacturer's representatives by submittal of appropriate tank drawings and/or dimensions.
- The discharge rate of the filter must allow sufficient flow to prevent the tank's inlet from becoming submerged.
- When this product is installed in an exterior compartment, the discharge connection must be solvent cemented to a single four inch diameter Schedule 40 (ASTM D-2665 or ASTM D-1785) or SDR 26 (ASTM D-3034) PVC plastic pipe which extends through the outlet opening of the tank to a point at least three feet beyond the undisturbed ground surrounding the excavation made for the tank. When the boss stop is required to be removed, written permission must be obtained from the tank manufacturer prior to installation of the product.

- MAINTENANCE: Clean filter at inspection/pumping interval.
- **Additional information is included as attachment(s) to this letter; see attachment A and B.**

This approval supersedes the approval issued on 9/14/2009 under product file number 20050828.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20050828

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Jean M. MacCubbin, CST
Engineering Consultant--Plumbing Products Review
Commerce; Safety & Buildings Div.
PO Box 2658
201 W Washington Ave.
Madison WI 53703-2658
Phone: 608-266-0955; Fax: 608-283-7456
E-mail: Jean.MacCubbin@WI.GOV